Volume Contents

Vol. 3, No. 1 (February 1993)

Critical Exchange

LARRY HAUSER / Why Isn't My Pocket Calculator a Thinking Thing? 3

WILLIAM J. RAPAPORT / Because Mere Calculating Isn't Thinking 11

LARRY HAUSER / The Sense of 'Thinking' 21

General Articles

FRANCESCO BERGADANO / Machine Learning and the Foundations of Inductive Inference 31

R. C. LACHER / Expert Networks: Paradigmatic Conflict, Technological Rapprochement 53

RICHARD COOPER and BRADLEY FRANKS / Interruptibility as a Constraint on Hybrid Systems 73

Discussion

FRED ADAMS and KENNETH AIZAWA / Fodorian Semantics, Pathologies, and "Block's Problem" 97

Book Reviews

Peter Howell, Robert West, and Ian Cross (eds.), *Representing Musical Structure* (ALAN MARSDEN) 105

Margaret A. Boden, *The Creative Mind: Myths and Mechanisms* (STUART SHANKER) 109

Alan Marsden and Anthony Pople (eds.), *Computer Representations and Models in Music* (FRANCESCO GIOMI) 114

Pamela McCorduck, *Aaron's Code: Meta-Art, Artificial Intelligence, and the Work of Harold Cohen* (SUSAN G. JOSEPHSON) 116

Randall D. Beer, *Intelligence as Adaptive Behavior: An Experiment in Computational Neuroethology* (DAVID CHAPMAN) 119

Elaine Rich and Kevin Knight, *Artificial Intelligence* (CHRISTOPHER BROWN) 122

Minds and Machines **3**: 515–518, 1993.

VOLUME CONTENTS

Vol. 3, No. 2 (May 1993)

Recent Work

WILLIAM BECHTEL / Currents in Connectionism 125

General Articles

DAVID J. BULLER / Confirmation and the Computational Paradigm (or: Why Do You Think They Call It *Artificial* Intelligence?) 155

ROBERT F. HADLEY / Connectionism, Explicit Rules, and Symbolic Manipulation 183

HENRY E. KYBURG, JR. / The Evidence of Your Own Eyes 201

Discussion

LARRY HAUSER / Reaping the Whirlwind: Reply to Harnad's Other Bodies, Other Minds 219

Book Reviews

Jerrold J. Katz, *The Metaphysics of Meaning* (HILARY KORNBLITH) 239

Malcolm McCullough, William J. Mitchell, and Patrick Purcell (eds.), *The Electronic Design Studio: Architectural Knowledge and Media in the Computer Era* (YEHUDA E. KALAY) 242

John R. Anderson, *Cognitive Psychology and Its Implications* (DEBORAH A. GAGNON) 244

William J. Clancey and Elliot Soloway (eds.), *Artificial Intelligence and Learning Environments* (THOMAS J. SHUELL) 247

Nicholas J. Wade and Michael Swanston, *Visual Perception: An Introduction*, Introductions to Modern Psychology (K. NICHOLAS LEIBOVIC) 249

David Levy and Monty Newborn, *How Computers Play Chess* (HANS BERLINER) 251

VOLUME CONTENTS

Vol. 3, No. 3 (August 1993)

MARIN S. MARINOV / On the Spuriousness of the Symbolic/Subsymbolic Distinction 253

ANDY CLARK / Superpositional Connectionism: A Reply to Marinov 271

CAROL E. CLELAND / Is the Church-Turing Thesis True? 283

BEN GOERTZEL / Phase Transitions in Associative Memory Networks 313

LAURA DEHELIAN and EDWARD F. McCLENNEN / Planning and the Stability of Intention: A Comment 319

Book Reviews

Bruce K. Britton and Anthony D. Pellegrini (eds.), *Narrative Thought and Narrative Language* (ERWIN M. SEGAL) 335

Stephen P. Stich, *The Fragmentation of Reason: Preface to a Pragmatic Theory of Cognitive Evaluation* (MEREDITH WILLIAMS) 339

H.M. Collins, *Artificial Experts: Social Knowledge and Intelligent Machines* (DAVID J. COLE) 343

Steven L. Tanimoto, *The Elements of Artificial Intelligence Using Common LISP* (JAMES GELLER) 345

K.A. Mohyeldin Said, W.H. Newton-Smith, R. Viale, and K.V. Wilkes (eds.), *Modelling the Mind* (YORICK WILKS) 348

Jude W. Shavlik and Thomas G. Dietterich (eds.), *Readings in Machine Learning*, (SHOSHANA LOEB) 351

A Fodorfest

Colin McGinn, *Mental Content* (KIM STERELNY) 353

Kim Sterelny, *The Representational Theory of Mind: An Introduction* (JERRY FODOR) 358

Jerry A. Fodor, *A Theory of Content and Other Essays* (SARA HEINÄMAA) 362

Barry Loewer and Georges Rey (eds.), *Meaning in Mind: Fodor and His Critics* (AUSONIO MARRAS) 369

VOLUME CONTENTS

Vol. 3, No. 4 (November 1993)

SPECIAL ISSUE

KNOWLEDGE REPRESENTATION FOR NATURAL LANGUAGE PROCESSING

Guest Editor

STUART C. SHAPIRO

STUART C. SHAPIRO / Preface 377

General Articles

CHUNG HEE HWANG and LENHART K. SCHUBERT / Episodic Logic: A Comprehensive, Natural Representation for Language Understanding 381

SYED S. ALI and STUART C. SHAPIRO / Natural Language Processing Using a Propositional Semantic Network with Structured Variables 421

ENRICO FRANCONI / A Treatment of Plurals and Plural Quantifications Based on a Theory of Collections 453

ŁUCJA IWAŃSKA / Logical Reasoning in Natural Language: It Is All About Knowledge 475

Announcement 511

Index 513

Volume Contents 515